	Application No.	Applicant(s)	
	10/551 440	CARE ET AL	
Notice of Allowability	10/551,442 Examiner	GABE ET AL.	
•			
	BINH Q. TRAN	3748	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in i) or other appropriate communication is sommer.	n this application. If not included unication will be mailed in due course. THIS	i tive
1. This communication is responsive to			
2. X The allowed claim(s) is/are <u>1-7</u> .			
<ol> <li>Acknowledgment is made of a claim for foreign priority t</li> <li>a)</li></ol>	under 35 U.S.C. § 119(a)-(d) (	or (f).	
<ol> <li>Certified copies of the priority documents have</li> </ol>		·	
<ol><li>Certified copies of the priority documents have</li></ol>	e been received in Application	on No	
<ol><li>Copies of the certified copies of the priority d</li></ol>	ocuments have been received	d in this national stage application from the	
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS (as "replacement sheets") mu	ust be submitted.		
(a) I including changes required by the Notice of Draftspe	rson's Patent Drawing Reviev	v ( PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	<b></b>		
(b) including changes required by the attached Examine Paper No./Mail Date	r's Amendment / Comment or	in the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on the header according to 37 CF	he drawings in the front (not the back) of R 1.121(d).	
<ol> <li>DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMENT</li> </ol>	OSIT OF BIOLOGICAL MATE FOR THE DEPOSIT OF BIO	ERIAL must be submitted. Note the DLOGICAL MATERIAL.	
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Attachment(s)			
1. Notice of References Cited (PTO-892)	<u> </u>	formal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		ummary (PTO-413), /Mail Date	
3. M Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 09/29/2005		Amendment/Comment	
4.   Examiner's Comment Regarding Requirement for Deposit	8. 🛭 Examiner's	Statement of Reasons for Allowance	
of Biological Material	9. 🔲 Other		
	o. <u> </u>	BINH Q. TRAN	
		Primary Examiner Art Unit: 3748	

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06) Art Unit: 3748

## **DETAILED ACTION**

Receipt and entry of Applicant's Preliminary Amendment dated September 29, 2005 is acknowledged.

## Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The prior art fails to disclose or render obvious the claimed combination including a control device for regeneration of the filter, wherein upon the execution of control for regeneration of the filter, raises the temperature of the exhaust gas, by performing delay multi-step injection control in a state of closing the exhaust throttle valve, when the exhaust temperature detected by the first exhaust temperature sensor is a given first determining temperature or less; and controls to open the exhaust throttle valve in a stepwise or continuous manner after the exhaust temperature detected by the first exhaust temperature sensor has risen to a given second determining temperature or higher, in such a way that the exhaust temperature detected by the second exhaust temperature sensor rises to a given third determining temperature or higher.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure and consists of six patents:

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Igarashi et al. (Pat. No. 6817174), Nakatani et al. (Pat. No. 6834496), Onodera et al. (Pat.

No. 6966179), Ohki et al. (Pat. No. 7246485), Tashiro et al. (Pat. No. 6901747), and Morimoto et

al. (Pat. No. 6708487) all discloses an exhaust gas purification for use with an internal combustion

engine.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Examiner Binh Tran whose telephone number is (571) 272-4865.

The examiner can normally be reached on Monday-Friday from 8:00 a.m. to 4:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Thomas E. Denion, can be reach on (571) 272-4859. The fax phone numbers for the organization

where this application or proceeding is assigned are (571) 273-8300 for regular communications

and for After Final communications.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BT

September 29, 2007

Binh Q. Tran

Patent Examiner

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